

Science GE DOK Alignment Chart EARTH/SPACE SCIENCE Grades 5-6 GE 50

DOK Level	GE Statement with Ceiling DOK	Science Concepts	Resources/Practice Items
Enduring Knowledge: Natural resources and agricultural systems are managed for specific purposes and in a variety of ways.			
DOK 1-2	<p>S5-6: 50 Students demonstrate their understanding why and how natural resources are managed by...</p> <ul style="list-style-type: none"> Identifying the variety of local natural/agricultural resources in geographical and/or topographical regions of Vermont; <p>AND</p> <ul style="list-style-type: none"> Identifying the products and natural/agricultural resources that are specific to Vermont. (E.g. fish and wildlife, water and earth resources; farming and products) 	<p>a. Availability of natural resources vary according to region and or topography (e.g. <i>The needs for soil enrichment may be very different in different regions of the state.</i>)</p>	<p>--Create a regional map of Vermont indicating the location of products and natural/agricultural resources.</p> <p>-- Identify where in Vermont specific crops are grown successfully and where in Vermont to preserve or protect existing wild areas.</p>
DOK 2-3	<p>AND</p> <ul style="list-style-type: none"> Explaining the positive and/or negative consequences of human practices on Vermont's natural/agricultural resources. <p>GE Connection: S5-6: 36</p>	<p>b. Human practices impact the sustainability of natural/agricultural resources.</p> <p>The benefits of earth's resources (water, air soil, trees) can be reduced by deliberately or inadvertently polluting them.</p>	<p>--Nature Conservancy Preserves http://www.nature.org/wherewework/northamerica/states/vermont/preserves/ University of Vermont Natural Areas—map http://www.uvm.edu/~envprog/?Page=naturalareas/default.html</p>
DOK 2-3	<p>AND</p> <ul style="list-style-type: none"> Explaining the interrelationship between resource management practices and the sustainability of Vermont's natural/agricultural resources. (E.g. Vermont's recycling policies, maintenance of Vermont's deer herd, Vermont Yankee issue, importing of invasive species into Vermont lakes,) <p>GE Connection: S5-6: 49</p>	<p>c. Responsible management of the earth's resources is critical for sustaining a healthy environment and providing for ongoing human use.</p>	<p>--Research and evaluate the impact of human practices on one of Vermont's natural/agricultural resources.</p> <p>--Investigate and analyze the management practices in one area of Vermont and develop a plan for a local site.</p> <p>--Vermont Department of Environmental Conservation site http://www.anr.state.vt.us/dec/dec.htm</p> <p>--Vermont Fish and Wildlife site http://www.vtfishandwildlife.com/</p>